

## PCT REQUEST

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0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.10.2002)
0-5	Petition	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty
0-6	Receiving Office (specified by the applicant)	Korean Intellectual Property Office (RO/KR)
0-7	Applicant's or agent's file reference	P02E8010/PCT
I	Title of invention	FREQUENCY HOPPING OFDMA METHOD USING SYMBOLS OF COMB PATTERN
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	Electronics and Telecommunications Research Institute
II-5	Address:	161, Gajeong-dong, Yuseong-gu
		305-350 Daejon
II-6	State of nationality	Republic of Korea
II-7	State of residence	KR
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant only
III-1-2	Applicant for	all designated States except US
III-1-4	Name	JOONG ANG UNIVERSITY
III-1-5	Address:	221, Heukseok-dong, Dongjak-gu 156-070 Seoul
III-1-6	State of nationality	Republic of Korea
III-1-7	State of residence	KR

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<b>III-2</b>	<b>Applicant and/or inventor</b>	
III-2-1	This person is:	<b>applicant and inventor</b>
III-2-2	Applicant for	<b>US only</b>
III-2-4	Name (LAST, First)	<b>CHANG, Kyung-Hi</b>
III-2-5	Address:	<b>#104-1409, Clover Apt., Dunsan 1-dong, Seo-gu 302-121 Daejon Republic of Korea</b>
III-2-6	State of nationality	<b>KR</b>
III-2-7	State of residence	<b>KR</b>
<b>III-3</b>	<b>Applicant and/or inventor</b>	
III-3-1	This person is:	<b>applicant and inventor</b>
III-3-2	Applicant for	<b>US only</b>
III-3-4	Name (LAST, First)	<b>KIM, Kwang-Soon</b>
III-3-5	Address:	<b>#109-1203, Hana Apt., Sinseong-dong, Yuseong-gu 305-345 Daejon Republic of Korea</b>
III-3-6	State of nationality	<b>KR</b>
III-3-7	State of residence	<b>KR</b>
<b>III-4</b>	<b>Applicant and/or inventor</b>	
III-4-1	This person is:	<b>applicant and inventor</b>
III-4-2	Applicant for	<b>US only</b>
III-4-4	Name (LAST, First)	<b>CHO, Yong-Soo</b>
III-4-5	Address:	<b>#25-1006, Sinbanpo Apt., 1-1, Banpo-dong, Seocho-gu 137-040 Seoul Republic of Korea</b>
III-4-6	State of nationality	<b>KR</b>
III-4-7	State of residence	<b>KR</b>
<b>III-5</b>	<b>Applicant and/or inventor</b>	
III-5-1	This person is:	<b>applicant and inventor</b>
III-5-2	Applicant for	<b>US only</b>
III-5-4	Name (LAST, First)	<b>HA, Suk-Won</b>
III-5-5	Address:	<b>#1-405, Geukdong Apt., Gwangjang-dong, Gwangjin-gu 143-751 Seoul Republic of Korea</b>
III-5-6	State of nationality	<b>KR</b>
III-5-7	State of residence	<b>KR</b>

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IV-1	<b>Agent or common representative; or address for correspondence</b> The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: Name Address: Telephone No. Facsimile No. e-mail	agent  SHINSUNG PATENT FIRM Haecheon Bldg., 741-40, Yeoksam 1-dong, Kangnam-gu 135-924 Seoul Republic of Korea 82-2-555-7503 82-5-553-1450 sspat@sspat.com
V	<b>Designation of States</b>	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GO GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

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V-5	<b>Precautionary Designation Statement</b>  In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.		
V-6	<b>Exclusion(s) from precautionary designations</b>	<b>NONE</b>	
VI-1	<b>Priority claim of earlier national application</b>		
VI-1-1	Filing date	26 October 2002 (26.10.2002)	
VI-1-2	Number	2002-0065638	
VI-1-3	Country	KR	
VI-2	<b>Priority document request</b>  The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	<b>International Searching Authority Chosen</b>	<b>Korean Intellectual Property Office (KIPO) (ISA/KR)</b>	
VIII	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	<b>Check list</b>	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	-
IX-2	Description	53	-
IX-3	Claims	13	-
IX-4	Abstract	1	EZABSTOO.TXT
IX-5	Drawings	46	-
IX-7	<b>TOTAL</b>	<b>118</b>	

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	<b>Accompanying items</b>	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-17	PCT-EASY diskette	-	Diskette
IX-19	Figure of the drawings which should accompany the abstract	2	
IX-20	Language of filing of the international application	Korean	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name	SHINSUNG PATENT FIRM	

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA / KR
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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